

SEQUENCE LISTING

<110> Chen, Hongyun
Kilinski, Ligia
Le Bihan, Stephane

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Leu	Gly	Ile	Ala	Val	Leu	Gly	Asn	Pro	Lys	Ile	Leu	Leu	Leu	Asp	Glu
625					630					635					640
Pro	Thr	Ala	Gly	Met	Asp	Pro	Cys	Ser	Arg	His	Ile	Val	Trp	Asn	Leu
				645					650					655	
Leu	Lys	Tyr	Arg	Lys	Ala	Asn	Arg	Val	Thr	Val	Phe	Ser	Thr	His	Phe
			660					665					670		
Met	Asp	Glu	Ala	As											

Met Asp Lys Phe Ser Gly Leu Phe Ser Ala Leu Asp Ser His Ser Asn
 755 760 765
 Leu Gly Val Ile Ser Tyr Gly Val Ser Met Thr Thr Leu Glu Asp Val
 770 775 780
 Phe Leu Lys Leu Glu Val Glu Ala Glu Ile Asp Gln Ala Asp Tyr Ser
 785 790 795 800
 Val Phe Thr Gln Gln Pro Leu Glu Glu Glu Met Asp Ser Lys Ser Phe
 805 810 815
 Asp Glu Met Glu Gln Ser Leu Leu Ile Leu Ser Glu Thr Lys Ala Ser
 820 825 830
 Leu Val Ser Thr Met Ser Leu Trp Lys Gln Gln Met Tyr Thr Ile Ala
 835 840 845
 Lys Phe His Phe Phe Thr Leu Lys Arg Glu Ser Lys Ser Val Arg Ser
 850 855 860
 Val Leu Leu Leu Leu Leu Ile Phe Phe Thr Val Gln Ile Phe Met Phe
 865 870 875 880
 Leu Val His His Ser Phe Lys Asn Ala Val Val Pro Ile Lys Leu Val
 885 890 895
 Pro Asp Leu Tyr Phe Leu Lys Pro Gly Asp Lys Pro His Lys Tyr Lys
 900 905 910
 Thr Ser Leu Leu Leu Gln Asn Ser Ala Asp Ser Asp Ile Ser Asp Leu
 915 920 925
 Ile Ser Phe Phe Thr Ser Gln Asn Ile Met Val Thr Met Ile Asn Asp
 930 935 940
 Ser Asp Tyr Val Ser Val Ala Pro His Ser Ala Ala Leu Asn Val Met
 945 950 955 960
 His Ser Glu Lys Asp Tyr Val Phe Ala Ala Val Phe Asn Ser Thr Met
 965 970 975
 Val Tyr Ser Leu Pro Ile Leu Val Asn Ile Ile Ser Asn Tyr Tyr Leu
 980 985 990
 Tyr His Leu Asn Val Thr Glu Thr Ile Gln Ile Trp Ser Thr Pro Phe
 995 1000 1005
 Phe Gln Glu Ile Thr Asp Ile Val Phe Lys Ile Glu Leu Tyr Phe Gln
 1010 1015 1020
 Ala Ala Leu Leu Gly Ile Ile Val Thr Ala Met Pro Pro Tyr Phe Ala
 1025 1030 1035 1040
 Met Glu Asn Ala Glu Asn His Lys Ile Lys Ala Tyr Thr Gln Leu Lys
 1045 1050 1055
 Leu Ser Gly Leu Leu Pro Ser Ala Tyr Trp Ile Gly Gln Ala Val Val
 1060 1065 1070
 Asp Ile Pro Leu Phe Phe Ile Ile Leu Ile Leu Met Leu Gly Ser Leu
 1075 1080 1085
 Leu Ala Phe His Tyr Gly Leu Tyr Phe Tyr Thr Val Lys Phe Leu Ala
 1090 1095 1100
 Val Val Phe Cys Leu Ile Gly Tyr Val Pro Ser Val Ile Leu Phe Thr
 1105 1110 1115 1120
 Tyr Ile Ala Ser Phe Thr Phe Lys Lys Ile Leu Asn Thr Lys Glu Phe
 1125 1130 1135
 Trp Ser Phe Ile Tyr Ser Val Ala Ala Leu Ala Cys Ile Ala Ile Thr
 1140 1145 1150
 Glu Ile Thr Phe Phe Met Gly Tyr Thr Ile Ala Thr Ile Leu His Tyr
 1155 1160 1165
 Ala Phe Cys Ile Ile Ile Pro Ile Tyr Pro Leu Leu Gly Cys Leu Ile
 1170 1175 1180

Ser Phe Ile Lys Ile Ser Trp Lys Asn Val Arg Lys Asn Val Asp Thr
 1185 1190 1195 1200
 Tyr Asn Pro Trp Asp Arg Leu Ser Val Ala Val Ile Ser Pro Tyr Leu
 1205 1210 1215
 Gln Cys Val Leu Trp Ile Phe Leu Leu Gln Tyr Tyr Glu Lys Lys Tyr
 1220 1225 1230
 Gly Gly Arg Ser Ile Arg Lys Asp Pro Phe Phe Arg Asn Leu Ser Thr
 1235 1240 1245
 Lys Ser Lys Asn Arg Lys Leu Pro Glu Pro Pro Asp Asn Glu Asp Glu
 1250 1255 1260
 Asp Glu Asp Val Lys Ala Glu Arg Leu Lys Val Lys Glu Leu Met Gly
 1265 1270 1275 1280
 Cys Gln Cys Cys Glu Glu Lys Pro Ser Ile Met Val Ser Asn Leu His
 1285 1290 1295
 Lys Glu Tyr Asp Asp Lys Lys Asp Phe Leu Leu Ser Arg Lys Val Lys
 1300 1305 1310
 Lys Val Ala Thr Lys Tyr Ile Ser Phe Cys Val Lys Lys Gly Glu Ile
 1315 1320 1325
 Leu Gly Leu Leu Gly Pro Asn Gly Ala Gly Lys Ser Thr Ile Ile Asn
 1330 1335 1340
 Ile Leu Val Gly Asp Ile Glu Pro Thr Ser Gly Gln Val Phe Leu Gly
 1345 1350 1355 1360
 Asp Tyr Ser Ser Glu Thr Ser Glu Asp Asp Asp Ser Leu Lys Cys Met
 1365 1370 1375
 Gly Tyr Cys Pro Gln Ile Asn Pro Leu Trp Pro Asp Thr Thr Leu Gln
 1380 1385 1390
 Glu His Phe Glu Ile Tyr Gly Ala Val Lys Gly Met Ser Ala Ser Asp
 1395 1400 1405
 Met Lys Glu Val Ile Ser Arg Ile Thr His Ala Leu Asp Leu Lys Glu
 1410 1415 1420
 His Leu Gln Lys Thr Val Lys Lys Leu Pro Ala Gly Ile Lys Arg Lys
 1425 1430 1435 1440
 Leu Cys Phe Ala Leu Ser Met Leu Gly Asn Pro Gln Ile Thr Leu Leu
 1445 1450 1455
 Asp Glu Pro Ser Thr Gly Met Asp Pro Lys Ala Lys Gln His Met Trp
 1460 1465 1470
 Arg Ala Ile Arg Thr Ala Phe Lys Asn Arg Lys Arg Ala Ala Ile Leu
 1475 1480 1485
 Thr Thr His Tyr Met Glu Glu Ala Glu Ala Val Cys Asp Arg Val Ala
 1490 1495 1500
 Ile Met Val Ser Gly Gln Leu Arg Cys Ile Gly Thr Val Gln His Leu
 1505 1510 1515 1520
 Lys Ser Lys Phe Gly Lys Gly Tyr Phe Leu Glu Ile Lys Leu Lys Asp
 1525 1530 1535
 Trp Ile Glu Asn Leu Glu Val Asp Arg Leu Gln Arg Glu Ile Gln Tyr
 1540 1545 1550
 Ile Phe Pro Asn Ala Ser Arg Gln Glu Ser Phe Ser Ser Ile Leu Ala
 1555 1560 1565
 Tyr Lys Ile Pro Lys Glu Asp Val Gln Ser Leu Ser Gln Ser Phe Phe
 1570 1575 1580
 Lys Leu Glu Glu Ala Lys His Ala Phe Ala Ile Glu Glu Tyr Ser Phe
 1585 1590 1595 1600
 Ser Gln Ala Thr Leu Glu Gln Val Phe Val Glu Leu Thr Lys Glu Gln
 1605 1610 1615

Glu Glu Glu Asp Asn Ser Cys Gly Thr Leu Asn Ser Thr Leu Trp Trp
1620 1625 1630

Glu Arg Thr Gln Glu Asp Arg Val Val Phe
1635 1640

[illegible]